

# LOG OF BORING 3-MW-10

**JE** Jacobs Engineering  
Group Inc.

Project Name: <b>REMEDIAL INVESTIGATION, VANDENBERG AFB IRP: OU-1, Site 3, Old Railroad Pumping Station</b>									
Project Number: <b>05G10600</b>			Borehole Number: <b>3-MW-10</b>			Sheet <b>1</b> of <b>2</b>			
Borehole Location: <b>N 2095817.41; E 5801428.54</b>			Elevation and Datum: <b>402.14</b> feet, Mean Sea Level						
Drilling Contractor: <b>Layne Environmental Services, Inc.</b>			Date Started: <b>12/8/92</b>			Date Finished: <b>12/9/92</b>			
Drilling Equipment: <b>CME-850</b>			Total Depth(feet): <b>30.3</b>			Depth to Groundwater(feet): <b>6.10</b>			
Drilling Method: <b>Hollow Stem Auger</b>			Borehole Diameter: <b>10</b> inches						
Driller: <b>Tim Quick</b>			Monitoring Well : <b>Total Depth(ft): 30</b>			As-Built In Figure: <b>N/A</b>			
Hammer Information: Automatic Hammer: <b>140-lb and 30-inch drop</b>			Logged By: <b>Todd Battey</b>			Checked By: <b>Hank Jong</b>			

  

Depth (feet)	Lithologic Description	Symbol	USCS Classification	Sample	Sample Number	Blow Counts	Field OVA Reading (ppm)			Remarks
							0	50	100	
	SILTY SAND, light olive brown (2.5 YR 5/3), moist, loose, fine to medium grained with little silt, poorly graded. Roots and rootlets in top 1'. Same, light brownish gray (10 YR 6/2), dry.		SP-SM		B000185	1				BG = Background OVA reading. BG = 3.2 ppm.
						2				
						3				
5	SILTY SAND, pale brown (10 YR 6/3), dry, loose, fine to medium grained with about 30% fines.		SM			6				BG = 3.2 ppm.
						4				
						4				
10	Same as above, brown (10 YR 5/3), slightly moist, medium dense, trace fine gravel. Clasts consists of rounded to subrounded chert and silicified shale up to 1/2" diameter.		SM		B000186	9				BG = 3.5 ppm.
						8				
						9				
15	Same as above, wet.		SM		B000187	17				BG = 3.0 ppm.
						20				
						55/6"				
20	SILICEOUS SHALE (BEDROCK), white to very dark brown, slightly moist, hard.		bedrock			50/5"				BG = 0.7 ppm, odor.
25	Same as above, light brownish gray (10 YR 6/2), thinly bedded claystone. Black & rust colored staining along fractures.		bedrock			100/3"				Odor.
30	Same as above, dark yellowish brown (10 YR 4/6).		bedrock							BG = 1.0 ppm, no odor.
	Same as above, brown (7.5 YR 4/3).					17				

well constr. diagram near 3-MW-6

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Project Name: REMEDIAL INVESTIGATION, VANDENBERG AFB IRP: OU-1, Site 3, Old Railroad Pumping Station										
Project Number: 05G10600			Borehole Number: 3-MW-10				Sheet 2 of 2			
Depth (feet)	Lithologic Description	Symbol	USCS Classi- fication	Sample	Sample Number	Blow Counts	Field OVA Reading (ppm)			Remarks
	End of boring at 30.3' below ground surface. Boring backfilled with cement/bentonite grout mixture from 30' to 18.5' below ground surface, then reamed with 12" O.D. auger to just over 18' below ground surface to install monitoring well.		bedrock			41 50/3"	0	50	100	